

# Converting Colors

CIELCh(69, 22.351, 102.622)

Have a look what the booklet for  
CIELCh(69, 22.351, 102.622)  
contains.

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**Color**

**CIELCh(69, 22.374, 102.608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFAA81
RGB	175, 170, 129
RGB Percent	69%, 67%, 51%
CMY	0.3145, 0.3341, 0.4949
CMYK	0.00, 0.03, 0.26, 0.31
HSL	53°, 22%, 60%
HSV	53°, 26%, 69%
XYZ	35.9201, 39.3444, 26.4028
YIQ	166.8210, 16.1410, -11.6910

# Conversions

## Conversions Part 2

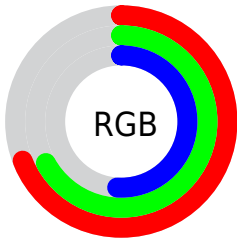
Format	Color
<a href="#">RYB</a>	<a href="#">135, 175, 129</a>
Decimal	<a href="#">11512449</a>
CIELab	<a href="#">69.00, -4.88, 21.83</a>
CIELCh	<a href="#">69, 22.374, 102.608</a>
Yxy	<a href="#">39.3444, 0.3533, 0.3870</a>
Android (android.graphics.Color)	<a href="#">4289702529</a> ( <a href="#">0xFFAFAA81</a> )
YUV	<a href="#">166.8210, -18.6458, 7.1730</a>
Hunter-Lab	<a href="#">62.7251, -7.5494, 18.9507</a>

# Details

The CIELCh color **69, 22.374, 102.608** is a light color, and the websafe version is hex **999966**. A complement of this color would be **57, 23.441, 288.707**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 22.336, 102.392**, and **49, 22.614, 102.578** is the 20% darker color. If you saturate the color by 10%, you get **68, 30.773, 101.536**, and if you desaturate by 10%, it is **70, 13.883, 103.680**.

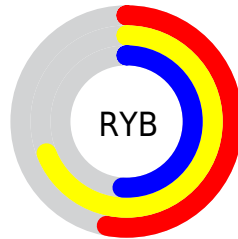
# Distribution



Red (69%)

Green (67%)

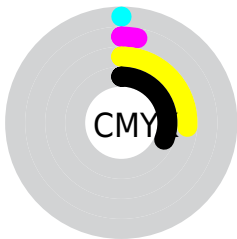
Blue (51%)



Red (53%)

Yellow (69%)

Blue (51%)

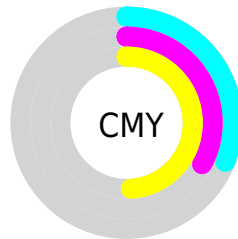


Cyan (0%)

Magenta (3%)

Yellow (26%)

Black (31%)



Cyan (31%)

Magenta (33%)

Yellow (49%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 22.374, 102.608 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 69, 22.374, 102.608 by changing the saturation by 10% instead.



 69, 22.374,  
102.608

 69, 22.374,  
102.608

 100, 22.374,  
102.608

 59, 22.374,  
102.608

 89, 22.374,  
102.608

 49, 22.374,  
102.608

 99, 22.374,  
102.608

 39, 22.374,  
102.608

 29, 22.374,  
102.608

 19, 22.374,  
102.608

 9, 22.374, 102.608

 0, 22.374, 102.608

69, 22.374,  
102.608

69, 22.374,  
102.608

68, 30.773,  
101.536

70, 13.883,  
103.680

67, 38.966,  
100.463

71, 5.362, 104.719

67, 46.774, 99.411

72, 3.146, 285.793

66, 53.917, 98.395

73, 11.618,  
286.759

65, 59.983, 97.433

74, 20.039,  
287.705

65, 64.465, 96.533

75, 28.400,  
288.611

64, 66.981, 95.685

64, 67.693, 95.381

76, 36.695,  
289.474

77, 37.689,  
288.785

■ 77, 36.655,  
287.614

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



69, 22.374, 102.608



57, 23.441, 288.707

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69, 22.374, 102.608



69, 22.374, 152.608



69, 22.374, 282.608



69, 22.374, 332.608

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



69, 22.375, 102.613



89, 8.413, 104.533



58, 18.995, 12.403



48, 6.029, 104.380



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



69, 22.375, 102.613



87, 33.593, 101.940



69, 25.929, 123.557



36, 4.784, 104.414



56, 60.665, 95.478



6, 9.655, 103.022



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57, 23.441, 288.707



68, 35.667, 289.717



57, 27.129, 306.372



34, 4.865, 286.418



18, 84.723, 304.513



1, 10.356, 286.354



# Previews

## White Background



This preview shows how the CIELCh color 69, 22.374, 102.608 looks on a white background.

## Color Contrast Check

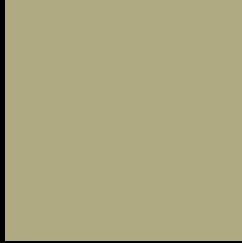
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 69, 22.374, 102.608 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

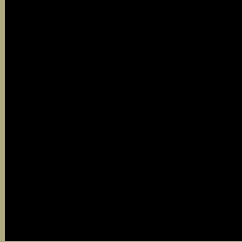
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 69, 22.374, 102.608**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 69, 22.374, 102.608.



This preview shows how white text looks on a background with the CIELCh color 69, 22.374, 102.608.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

69, 22.374, 102.608


### Protanopia

69, 22.358, 95.069

### Deuteranopia

69, 23.043, 68.872





**Tritanopia**  
69, 9.876, 334.030

# Trichromacy



**Original Color**  
69, 22.374, 102.608

**Protanomaly**  
69, 22.614, 98.402

**Deuteranomaly**  
69, 21.670, 80.735

**Tritanomaly**  
69, 6.360, 50.773

# Monochromacy



**Original Color**  
69, 22.374, 102.608

**Achromatopsia**  
68, 0.008, 296.813

**Achromatomaly**  
69, 8.239, 103.882

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 22.374, 102.608 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(175, 170, 129)` looks like.

```
.text, #text, p{  
    color:rgb(175, 170, 129)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(175, 170, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 170, 129) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 22.374, 102.608 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 170, 129) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(175, 170, 129) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(175, 170, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 170, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 170, 129); box-shadow:4px 4px 4px 4px rgb(175, 170, 129) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 22.374, 102.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 170, 129) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(175,  
170, 129) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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